

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A method for controlling a transmitter of a portable radio communication apparatus for communication in a radio communication network employing transmission by a plurality of carrier frequencies in frames each including a predetermined number of time slots, the transmitter transmitting data bursts during one or more of said time slots in a frame, the method comprising:

monitoring at least one criterion associated with heat generated by the transmitter; and

selectively adjusting ~~the~~ an output of the transmitter in direct response to the at least one criterion associated with heat generated by the transmitter; and

wherein one of the at least one monitored criterion comprises the number of transmitted data bursts in a frame.

2. (Original) A method according to claim 1, wherein one of the at least one monitored criterion comprises the temperature of the transmitter.

3. (Cancelled).

4. (Currently amended) A method according to claim 1, wherein ~~one of the at least one~~ output of the transmitter ~~criterion~~ comprises ~~the~~ a power output of the transmitter.

5. (Original) A method according to claim 4, wherein if the monitored criterion exceeds a predetermined limit then the power output of the transmitter is decreased.

6. (Currently amended) A method according to claim 5, wherein ~~the~~ a maximum available power output of the transmitter is decreased by changing ~~the~~ a power classmark of the portable radio communication apparatus.

7. (Currently amended) A method according to claim 1, wherein ~~one of the at least one output of the transmitter criterion~~ comprises the number of data bursts transmitted in a frame.

8. (Currently amended) A method according to claim 7, wherein if the monitored criterion exceeds a predetermined limit then the number of data bursts transmitted in a frame is decreased.

9. (Original) A method according to claim 1, wherein the monitoring step is performed by the portable radio communication apparatus.

10. (Original) A method according to claim 1, wherein the monitoring step is performed by the radio communication network.

11. (Currently amended) A method for controlling a transmitter of a portable radio communication apparatus for communication in a radio communication network employing transmission by a plurality of carrier frequencies in frames each including a predetermined number of time slots, the transmitter transmitting data bursts during one or more of said time slots in a frame, the method comprising monitoring the number of data bursts transmitted on time slots in a frame, comparing the monitored number of data bursts with a predetermined limit, and changing the operation of the transmitter to decrease ~~the~~ transmission power level if the monitored number falls outside the pre[-]determined limit.

12. (Currently amended) A method according to claim 11, wherein the monitoring of the number of data bursts transmitted on time slots in a frame is performed over a predetermined period of time or pre[-]determined number of frames.

13. (Currently amended) A method according to claim 11, wherein changing the operation of the transmitter comprises controlling ~~the~~ a power output of the transmitter.

14. (Currently amended) A method according to claim 13, wherein controlling the power output of the transmitter comprises changing ~~the~~ a power classmark of the portable radio communication apparatus.

15. (Original) A method according to claim 11, wherein changing the operation of the transmitter comprises controlling the number of data bursts transmitted on time slots in a frame.

16. (Currently amended) A method according to claim 15, wherein controlling the number of data bursts transmitted on time slots in a frame comprises decreasing the number of data bursts transmitted on time slots in a frame if the monitored number of transmitted data bursts exceeds a pre[-]determined limit.

17. (Original) A method according to claim 11, wherein the method steps are performed by the portable radio communication apparatus.

18. (Original) A method according to claim 11, wherein the method steps are performed by the radio communication network.

19. (Currently amended) A method for controlling a transmitter of a portable radio communication apparatus for communication in a radio communication network employing transmission by a plurality of carrier frequencies in frames each including a predetermined number of time slots, the transmitter transmitting data bursts during one or more of said time slots, the method comprising:

monitoring ~~the~~ a transmission power level of the communication apparatus; and

comparing the monitored transmission power level with a pre[-]determined limit and changing ~~the~~ a maximum allowed transmission power level in response to the monitored transmission power level; and

wherein the monitored transmission power level is compared with a pre[-]determined power transmission level and if the monitored transmission power level is above said pre[-]determined power transmission level then the maximum allowed output transmission power level is decreased by changing ~~the~~ a power classmark of the portable radio communication apparatus.

20. (Cancelled).

21. (Currently amended) A radio telephone system comprising a portable radio communication apparatus for communication in a radio communication network employing transmission by a plurality of carrier frequencies in frames each including a predetermined number of time slots, the apparatus having a transmitter for transmitting data bursts during one or more of said time slots in a frame, the system including monitoring means for monitoring at least one criterion associated with heat generated by the transmitter, ~~at least one output criterion of the transmitter being responsive to the monitored criterion~~ adjusting means for selectively adjusting the output of the transmitter in direct response to the at least one criterion associated with heat generated by the transmitter, wherein one of the at least one monitored criterion comprises the number of transmitted data bursts in a frame, wherein if the monitored criterion exceeds a predetermined limit then ~~the~~ a power output of the transmitter is decreased.

22. (Original) A radio telephone system according to claim 21, wherein one of the at least one monitored criterion comprises the temperature of the transmitter.

23. (Cancelled)

24. (Currently amended) A radio telephone system according to claim 21, wherein ~~one of the at least one~~ output of the transmitter ~~criterion~~ comprises the power output of the transmitter.

25. (Cancelled)

26. (Currently amended) A radio telephone system according to claim 2[5]1, wherein ~~the~~ a maximum available power output of the transmitter is decreased by changing ~~the~~ a power classmark of the portable radio communication apparatus.

27. (Original) A radio telephone system according to claim 21, wherein one of the at least one output criterion comprises the number of data bursts transmitted in a frame.

28. (Original) A radio telephone system according to claim 26, wherein if the monitored criterion exceeds a predetermined limit then the number of data bursts transmitted in a frame is decreased.

29. (Original) A radio telephone system according to claim 21, wherein the portable radio communication apparatus includes the monitoring means.

30. (Original) A radio telephone system according to claim 21, wherein the radio communication network includes the monitoring means.

31. (Currently amended) A radio telephone system comprising a portable radio communication apparatus for communication in a radio communication network employing transmission by a plurality of carrier frequencies in frames each including a predetermined number of time slots, the apparatus having a transmitter for transmitting data bursts during one or more of said time slots in a frame, the system including monitoring means for monitoring the number of data bursts with a pre[-]determined limit, and a processor for changing the operation of the transmitter to decrease ~~the~~ a transmission power level if the monitored number of transmitted data bursts falls outside the pre[-]determined limit.

32. (Currently amended) A radio telephone system according to claim 31, wherein the monitoring means monitors the number of data bursts transmitted over a predetermined period of time or pre[-]determined number of frames.

33. (Currently amended) A radio telephone system according to claim 31, wherein the processor controls ~~the~~ a power output of the transmitter.

34. (Currently amended) A radio telephone system according to claim 33, wherein the processor controls the power output of the transmitter by changing ~~the~~ a power classmark of the portable radio communication apparatus.

35. (Original) A radio telephone system according to claim 31, wherein the processor controls the number of data bursts transmitted on time slots in a frame.

36. (Currently amended) A radio telephone system according to claim 35, wherein the number of data bursts transmitted on time slots in a frame is decreased when the monitored number of transmitted data bursts exceeds a pre[-]determined limit.

37. (Original) A radio telephone system according to claim 31, wherein the portable radio communication apparatus includes the monitoring means, comparator and the processor.

38. (Original) A radio telephone system according to claim 31, wherein the radio communication network includes the monitoring means, comparator and the processor.

39. (Currently amended) A radio telephone system comprising a portable radio communication apparatus for communication in a radio communication network employing transmission by a plurality of carrier frequencies in frames each including a predetermined number of time slots, the apparatus having a transmitter for transmitting data bursts during one or more of said time slots in a frame, the system including monitoring means for monitoring ~~the~~ a transmission power level of the transmitter and comparing means for comparing the monitored transmission power level with a pre[-]determined limit and a processor for changing ~~the~~ a maximum available transmission power level of the portable radio communication apparatus in response to the monitored transmission power level, wherein the monitored transmission power level is compared with a pre[-]determined power transmission level and if the monitored transmission power level is above said pre[-]determined power transmission level then ~~the~~ a maximum allowed output transmission power level is decreased by changing the power classmark of the portable radio communication apparatus.

40. (Cancelled).

41. (Currently amended) A portable radio communication apparatus operable to communicate with a radio communication network employing transmission by a plurality of carrier frequencies in frames each including a predetermined number of time slots, the apparatus having a transmitter for transmitting data bursts during one or more of said time slots in a frame, and including monitoring means for monitoring at least one criterion associated with the heat generated by the transmitter, ~~at least one output criterion of the transmitter being responsive to the monitored criterion~~ selectively adjusting the output of the transmitter in direct response to the at least one criterion associated with the heat generated by

the transmitter to decrease the transmission power level, wherein one of the at least one monitored criterion comprises the number of transmitted data bursts in a frame.

42. (Currently amended) A method for controlling a portable radio communication apparatus for communication with a radio communication network employing transmission by a plurality of carrier frequencies in frames each including a predetermined number of time slots, the apparatus having a transmitter for transmitting data bursts during one or more of said time slots in a frame, the method comprising the steps of the apparatus registering a power classmark with the radio communication network, the portable radio communication apparatus monitoring at least one criterion associated with the heat generated by the transmitter, the apparatus sending a power classmark change request to the radio communication network responsive to the monitored criterion, and the radio communication network accordingly changing the power classmark of the portable radio communication apparatus.

43. (Previously presented) A method according to claim 1, wherein the monitoring step is carried out during a transmission.

44. (Previously presented) A method according to claim 11, wherein the monitoring is carried out during a transmission.

45. (Previously presented) A method according to claim 19, wherein the monitoring step is carried out during a transmission.

46. (Previously presented) A radio telephone system according to claim 21, wherein the monitoring is carried out during a transmission.

47. (Previously presented) A radio telephone system according to claim 31, wherein the monitoring is carried out during a transmission.

48. (Previously presented) A radio telephone system according to claim 39, wherein the monitoring is carried out during a transmission.

49. (Previously presented) A portable radio communication apparatus according to claim 41, wherein the monitoring is carried out during a transmission.

50. (Previously presented) A method according to claim 42, wherein the monitoring step is carried out during a transmission.